

AF/IRW

PTO/SB/21 (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

22

Application Number

10/705,794

Filing Date

November 7, 2003

First Named Inventor

Toru Hirai

Art Unit

2644

Examiner Name

Walter R. Briney III

Attorney Docket Number

051270-0305144

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):

Return receipt postcard

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

PILLSBURY WINTHROP SHAW PITTMAN LLP

Signature

Printed name

Mark R. Kendrick

Date

June 28, 2007

Reg. No.

48,468

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Kumiko Alexander

Date

June 28, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (06-07)

Approved for use through 06/30/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2007**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

**Complete if Known**

Application Number	10/705,794
Filing Date	November 7, 2003
First Named Inventor	Toru Hirai
Examiner Name	Walter F. Briney III
Art Unit	2644
Attorney Docket No.	051270-0305144

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 033975 Deposit Account Name: PILLSBURY WINTHROP et al.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

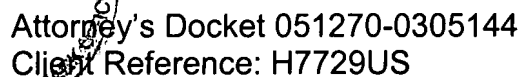
Fees Paid (\$)

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 48,468	Telephone 213.488.7253
Name (Print/Type)	Mark R. Kendrick	Date June 28, 2007	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



In re PATENT APPLICATION of:  
HIRAI, et al.

Application No.: 10/705,794

Filed: November 7, 2003

Examiner: Walter F. Briney III

For: MULTI-CHANNEL ECHO CANCEL METHOD, MULTI-CHANNEL SOUND  
TRANSFER METHOD, STEREO ECHO CANCELLER, STEREO SOUND TRANSFER  
APPARATUS AND TRANSFER FUNCTION CALCULATION APPARATUS

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Transmitted herewith is an amendment/response for this application.

The fee for claims and extension of time (37 C.F.R. 1.16 and 1.17) has been calculated as shown below:

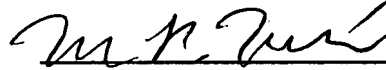
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA			RATE		ADDIT. FEE	
TOTAL	21	- 52	= 0	X	\$	50.00	=	\$	0.00
INDEP.	9	- 25	= 0	X	\$	200.00	=	\$	0.00
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+	\$	360.00	=	\$	0.00
TOTAL ADDITIONAL CLAIM FEE								\$	0.00
GRAND TOTAL								\$	0.00

### FEE PAYMENT

Authorization is hereby made to charge the amount of \$0.00 to Deposit Account No. 033975. Charge any additional fees required by this paper or credit any overpayment in the manner authorized above. A duplicate of this paper is attached.

Date: June 28, 2007

PILLSBURY WINTHROP SHAW PITTMAN LLP  
725 South Figueroa Street  
Suite 2800  
Los Angeles, CA 90017-5406  
213 488-7253



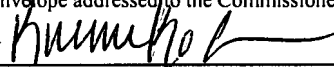
MARK R. KENDRICK  
Reg. No. 48,468

---

### CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10\*

(When using Express Mail, the Express Mail label number is *mandatory*; Express Mail certification is *optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Signature

Date: June 28, 2007

KUMIKO ALEXANDER

(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

AMENDMENT UNDER 37 C.F.R. § 1.116 — EXPEDITED PROCEDURE  
EXAMINATION GROUP 2644



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of:

Hirai, et al.

Serial No: 10/705,794

Filed: November 7, 2003

For: MULTI-CHANNEL ECHO CANCEL  
METHOD, MULTI-CHANNEL SOUND  
TRANSFER METHOD, STEREO ECHO  
CANCELLER, STEREO SOUND TRANSFER  
APPARATUS AND TRANSFER FUNCTION  
CALCULATION APPARATUS

Art Unit: 2644

Examiner: Walter F. Briney III

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service with sufficient postage as first class  
mail in an envelope addressed to:  
Hon. Commissioner for Patents, P.O. Box  
1450, Alexandria, VA 22313-1450, on

June 28, 2007  
Date of Deposit

Mark Kendrick  
Name

*Mark Kendrick* 06/28/2007  
Signature Date

**AMENDMENT UNDER 37 C.F.R. 1.116 (RULE 116 AMENDMENT) IN RESPONSE TO  
FINAL OFFICE ACTION**

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Examiner Briney III:

In response to the Final Office Action dated April 10, 2007 in connection with the  
above-identified application, please amend the above-referenced application as follows.